DIAGNOSTIC MICROBIOLOGY
AND
INFECTIOUS DISEASE

Volume 15 (1992) Contents

NUMBER 1, JANUARY

Bacteriology

Clinical Evaluations of the Wellcolex Colour *Shigella* and *Salmonella* Tests 1
Frank E. Kocka, Francis D. Dorigan, Qamar T. Abbasi, Andrea L. Swiatlo, and Marcia Hubbard-Shepard

The Impact of Converting to a Biphasic Blood-Culture System on the Overall Cost and the Incidence of Pseudobacteremia 5
Judith S. Heelan, Steven M. Opal, Edward Brissette, and Michael Donahue

Quantitative Tip Culture Methods and the Diagnosis of Central Venous Catheter-Related Infections 13
Issam I. Raad, Mouin F. Sabbagh, Kenneth H. Rand, and Robert J. Sherertz

Mycology

In vitro Susceptibility and Synergy Studies of *Aspergillus* Species to Conventional and New Agents 21
David W. Denning, Linda H. Hanson, Alon M. Perlman, and David A. Stevens

Virology

Rapid Detection of Influenza-B Virus in Respiratory Secretions by Immunofluorescence During an Epidemic 35
Gerard Rabalais, Gordon Stout, and Sharon Waldeyer

New Antimicrobial Reviews

Clarithromycin, a Unique Macrolide: A Pharmacokinetic, Microbiological, and Clinical Overview 39
Dwight J. Hardy, David R.P. Guay, and Ronald N. Jones

Third-Generation Cephalosporins and the Critical Issues in the Empiric Management of Moderate to Severe Pneumonia

Proceedings of a Symposium at the 17th International Congress of Chemotherapy, Berlin, Germany, 23–28 June 1991

Introduction **55**
John M. Leedom

Pneumonia: Patient Profiles, Choice of Empiric Therapy, and the Place of Third-Generation Cephalosporins **57**
John M. Leedom

Current Status of Bacterial Resistance to Third-Generation Cephalosporins **67**
José A. García-Rodríguez, José E. García Sánchez, Juan L. Muñoz Bellido, and M. Inmaculada García García

New Insights into the Activity of Third-Generation Cephalosporins Against Pneumonia-Causing Bacteria **73**
Ronald N. Jones, Meridith E. Erwin, and Martha Bale

Comparison of Cefotaxime with Ceftriaxone Given Intramuscularly 12-Hourly for Community-Acquired Pneumonia **81**
Roger D. Dansey, Peter J. Jacka, Simon A. Strachan, and Malcolm Hay

A Multicenter, Open Comparative Study of Parenteral Cefotaxime and Ceftriaxone in the Treatment of Nosocomial Lower Respiratory Tract Infections **85**
Gary E. Garber, Pierre Auger, Robert M.T. Chan, John M. Conly, Stephen D. Shafran, and Marvin Gerson

Comparison of the Efficacy and Adverse Effect Profile of Cefotaxime and Ceftriaxone in ICU Patients with Susceptible Infections **89**
Peter Thomas, Sue Daly, Gary Misan, and Trevor Steele

Evaluating the Cost-Effectiveness of Treatment with Third-Generation Cephalosporins **99**
Herbert E. Gladen

Summation **107**
Ronald N. Jones

NUMBER 2, FEBRUARY

Bacteriology

Preliminary Studies on the Use of Carbon Substrate Utilization Patterns for Identification of *Brucella* Species **109**
Jane D. Wong, J. Michael Janda, and Paul S. Duffey

The Hemolysin/Bacteriocin Produced by Enterococci Is a Marker of Pathogenicity **115**
Claudia R. Libertin, Rodica Dumitru, and Daniel S. Stein

Virology

Comparison of Enzyme-Linked Immunosorbent and Indirect Immunofluorescence Assays for the Detection of Human T-Cell Lymphotropic Virus Type-I Antibodies in Sera from Rural Haiti **121**

Wendy Grant, Frank J. Bia, Thomas M. Chacko, Michel Jean-Baptiste, and Brigitte P. Griffith

Cytomegalovirus Antibody Detection in Blood Donors and Mothers of Very Low Birth Weight Neonates by Using Three Serologic Methods **125**

Leonard Eisenfeld, James C. McLaughlin, Donald Mayo, Paula Klevjer-Anderson, Herbert Silver, Peter Krause, Janice Anderson, Victor Herson, John Savidakis, Ann Marie Lazar, Ted Rosenkrantz, Hema DeSilva, Ray Ryan, and collaborative group

Parasitology

Inoculated Mouse Model of *Pneumocystis carinii* Infection **129**

Marilyn S. Bartlett, Sherry F. Queener, Michelle M. Durkin, Margaret A. Shaw, and James W. Smith

Antimicrobial Susceptibility Studies

Modification of the Error-Rate Bounded Classification Scheme for Use with Two MIC Break Points **135**

Marshall N. Brunden, Gary E. Zurenko, and Barry Kapik

A Comparison of Antimicrobial Activity of Ofloxacin, L-Ofloxacin, and Other Oral Agents for Respiratory Pathogens **141**

Charles E. Cherubin, Robert H.K. Eng, Sharon M. Smith, and Elizabeth N. Tan

Interpretive Criteria and Quality Control Guidelines for Lomefloxacin and Meropenem in Susceptibility Tests of *Haemophilus influenzae* Using *Haemophilus* Test Medium **145**

Michael A. Pfaller, Ronald N. Jones, John A. Washington, Franklin P. Koontz, E. Hugh Gerlach, and Meridith E. Erwin

Case Reports

Group-C β-Hemolytic Streptococcal Bacteremia **151**

Juan Berenguer, Isabel Sampedro, Emilia Cercenado, Jesus Baraia, Marta Rodríguez-Créixems, and Emilio Bouza

Osteomyelitis and Septic Arthritis Caused by *Haemophilus influenzae*, Type f, in a Young Girl **157**

Michael J. Chusid, Joseph P. Schneider, John G. Thometz, and W. Michael Dunne

The Fortuitous Diagnosis of Cholera in a Two-Year-Old Girl **161**

Jeremy D. Gradon, Larry I. Lutwick, Roomi Chavda, and Michael Levi

Neisseria sicca Endocarditis with Embolic Phenomena **165**

John R. Vernaleo, Annakutty Mathew, Dennis J. Cleri, Richard F. D'Amato, Gary R. Joachim, Thomas M. Papa, Anthony J. Mastellone, Andrew A. Wallman, and Jeffrey Perlman

Notes

CI-960 (PD127391 or AM-1091), Sparfloxacin, WIN 57273, and Isepamicin Activity Against Clinical Isolates of *Mycobacterium avium–intracellularae* Complex, *M. chelonae*, and *M. fortuitum* **169**

Mary S. Barrett, Ronald N. Jones, Meridith E. Erwin, and Franklin P. Koontz

In vivo Activity of the Combination of Daptomycin and Fosfomycin Compared with Daptomycin Alone Against a Strain of *Enterococcus faecalis* with High-Level Gentamicin Resistance in the Rat Endocarditis Model **173**
Louis B. Rice, Claudie Thauvin Eliopoulos, Joseph D.C. Yao, George M. Eliopoulos, and Robert C. Moellering, Jr.

Editorial

Fluoroquinolone Resistance: An Evolving National Problem or Just a Problem for Some Physicians? **177**
Ronald N. Jones

Letter to the Editor **181**

Book Review **183**

NUMBER 3, MARCH/APRIL

Bacteriology

Light-Microscopic Morphology, Ultrastructure, Culture, and Relationship to Disease of the Nutritional and Cell-Wall-Deficient α-Hemolytic Streptococci **185**
Charles H. Zierdt

Application of Restriction Endonuclease Analysis of Chromosomal DNA in the Study of *Staphylococcus aureus* Colonization in Continuous Ambulatory Peritoneal Dialysis Patients **195**
Antonio Pignatari, Linda D. Boyken, Loreen A. Herwaldt, Richard Hollis, Ivani Leme, Ricardo Sesso, and Michael A. Pfaller

Elastolytic Activity Among *Aeromonas* spp. Using a Modified Bilayer Plate Assay **201**
Jafrul A.K. Hasan, Paul Macaluso, Amy M. Carnahan, and Sam W. Joseph

Evaluation of a Mannitol–Salt–Oxacillin–Tellurite Medium for the Isolation of Methicillin-Resistant *Staphylococcus aureus* from Contaminated Sources **207**
Octavio V. Martinez, Timothy Cleary, Martha Baker, and Joseph Civetta

Characterization and Specificity Controls of Murine Monoclonal Antibodies Against Serogroup C_1 *Salmonella* **213**
Raymond S.W. Tsang, Stojanka Aleksić, Kwok H. Chan, Nelson W.H. Lau, and Mum H. Ng

Pediatric Blood Culture Evaluation of the BACTEC PEDS Plus and the Du Pont Isolator 1.5 Systems **225**
Kathleen Eisenach, John Dyke, Martha Boehme, Barbara Johnson, and Mary Beth Cook

Mycology

Yeast in Blood Cultures: Evaluation of Factors Influencing Outcome **233**
Elizabeth A. Bryce, Frederick J. Roberts, Anwatar S. Sekhon, and Andrew J. Coldman

Mycobacteriology

Mycobacterium paratuberculosis: Factors That Influence Mycobactin Dependence **239**
Randall S. Lambrecht and Michael T. Collins

Antimicrobial Susceptibility Studies

In vitro Activity of Teicoplanin Compared with Vancomycin Against Methicillin-Resistant *Staphylococcus aureus* Derived from Cystic Fibrosis Sputum **247**

Antonio C. Arrieta, Harris R. Stutman, Joseph C. Akaniro, and Ofelia M. Vargas

Diffusion of Teicoplanin and Vancomycin in Agar **253**

Luigi A. Cavenaghi, Elia Biganzoli, Antonio Danese, and Francesco Parenti

Clarithromycin in vitro Activity Enhanced by Its Major Metabolite, 14-Hydroxyclarithromycin **259**

William W. Hoover, Mary S. Barrett, and Ronald N. Jones

Case Reports

Pulmonary Coccidioidal Pseudomycetoma **267**

William Rodriguez-Cintron, Armando E. Fraire, S. Donald Greenberg, Paul M. Stevens, and Charles E. Stager

Salmonella Prosthetic Valve Endocarditis **273**

Peter W. Choo, Nelson M. Gantz, Charles Anderson, and James H. Maguire

NUMBER 4, MAY/JUNE

Bacteriology

Assessment of Gelatin-Supplemented BACTEC Blood Culture Medium in a Pediatric Hospital **277**

Jane C. McDonald, Kathleen Knowles, Simon Sorger, and Geoffrey K. Richards

Genetic Heterogeneity Among Nutritionally Deficient Streptococci **281**

Daniel S. Stein and Claudia R. Libertin

The CLED Agar Option in Urine Culture Routine: A Prospective and Comparative Evaluation **287**

Patricia Muñoz, Emilia Cercenado, Marta Rodríquez-Créixems, Maria Dolores Díaz, Teresa Vicente, and Emilio Bouza

Use of a Commercial Double-Test Tablet (Rosco PGUA/Indole) for Screening of *Escherichia coli* **291**

Angeles Domínquez, Fernando Alcaide, Angeles Pulido, Josefina Ayats, José L. Perez, and Rogelio Martín

Rapid, Direct Identification of *Staphylococcus aureus and Streptococcus pneumoniae* from Blood Cultures Using Commercial Immunologic Kits and Modified Conventional Tests **295**

Thomas E. Davis, DeAnna D. Fuller, and Ellen C. Aeschlemann

Evaluation of the Pediatric Septi-Chek Blood Culture System **301**

Patricia L. Welby, Theresa M. Zusag, Mary Fran Orlando, and Gregory A. Storch

The Utility of Restriction Endonuclease Analysis and Phage Typing in the Epidemiologic Investigation of a *Staphylococcus aureus* Outbreak in a Neonatal Nursery **307**

David H. Pekkala, Donald E. Low, Phyllis A. Wyper, David Rose, Dubravka Sturman, Marjolyn F. Pritchard, Linda Panaro, and Andrew E. Simor

Virology

Evaluation of Variables in Immunofluorescence Procedures for the Detection of Antibodies Against Human Herpesvirus 6 (HHV-6) **313**
Michel Couillard, Jean R. Joly, Louise Deschênes, and Gilles Richer

Antimicrobial Susceptibility Studies

Inhibitory and Bactericidal Activity of Selected β-Lactam Agents Alone and in Combination with β-Lactamese Inhibitors Compared with That of Cefoxitin and Metronidazole Against Cefoxitin-Susceptible and Cefoxitin-Resistant Isolates of the *Bacteriodes fragilis* Group **321**
Charles W. Stratton, Lyndell S. Weeks, and Kenneth E. Aldridge

In vitro Activity of Cefquinome, a New Cephalosporin, Compared with Other Cephalosporin Antibiotics **331**
Nai-Xun Chin, Jian-Wei Gu, Wei Fang, and Harold C. Neu

In vitro Activity of Lomefloxacin and Other Antimicrobials Against Bacterial Enteritis Pathogens **339**
David Felmingham and Marion J. Robbins

Case Reports

Acute Lymphatic Filariasis in an American Traveler **345**
Bonnie Bean, Michael H. Ellman, and Irving G. Kagan

Human Infections with *Actinomyces pyrogenes* (*Corynebacterium pyrogenes*) **349**
Bente Gahrn-Hansen and Wilhelm Frederiksen

Notes

Comparison of Buffalo Green Monkey Kidney Cells and McCoy Cells for the Isolation of *Chlamydia trachomatis* in Shell Vial Centrifugation Culture **355**
Sheryl L.G. Johnston and Charles Siegel

Fluorescent Antibody Staining Test for Rapid Diagnosis of *Shigella dysenteriae* 1 Infection **359**
M. John Albert, Mohammed Ansaruzzaman, Abu R.M.A. Alim, and Amal K. Mitra

Comparison of Hemagglutination and Hemadsorption Tests for Influenza Detection **363**
Sheryl L.G. Johnston, Kathleen Wellens, and Charles Siegel

In vitro Activity of DNA Gyrase Inhibitors, Singly and in Combination, Against *Mycobacterium avium* Complex **367**
Timothy J. Babinchak and Robert J. Fass

In vitro Activity of β-Lactam Drugs and Sulbactam Against *Chlamydia trachomatis* **371**
John Segreti, Kathi S. Kapell, and Gordon M. Trenholme

The Postantibiotic Suppressive Effect of L-Ofloxacin, an Optically Active Isomer of Ofloxacin **375**
Kwung P. Fu, Barbara Foleno, and Marvin E. Rosenthale

Interpretive Criteria for CI-960 (AM-1091, PD127391) Disk Diffusion Tests Using 5-μg Disks **379**
Ronald N. Jones, Meridith E. Erwin, and Mary S. Barrett

Book Review

Gastrointestinal Infections and AIDS (T.L. Treadwell, M.A. Peppercorn, M.I. Burrell, and R.S. Koff, eds.) **383**
Reviewed by Albert Balows

Errata **384**

NUMBER 5, JULY

Bacteriology

Evaluation of BACTEC High Blood Volume Resin Media **385**
Ludo Marcelis, Jan Verhaegen, Jos Vandeven, Albert Bosmans, and Ludo Verbist

Entry of Lomefloxacin and Temafloxacin into Human Neutrophils, Peritoneal Macrophages, and Tissue Culture Cells **393**
Alvaro Pascual, Isabel Garcia, and Evelio J. Perea

Success of DNA Fingerprinting After Failure of Biotyping, Antimicrobial Susceptibility Testing, and Plasmid Analysis to Reveal Clonality of Multiple Blood and Urine Isolates from a Patient with *Escherichia coli* Urosepsis **399**
James R. Johnson, Steve L. Moseley, Marie B. Coyle, and Walter E. Stamm

Virology

Latex Agglutination Test for Cytomegalovirus Antibody Screening of Transplant Donors: Important Aspects **407**
Reinhard Zbinden, Marco Decurtins, and Werner Wunderli

Differential Detection of *Mycoplasma pulmonis* and *Mycoplasma arthritidis* with Species-Specific DNA Probes **411**
Angela Ferebee, Philippe Simoneau, Jerjang Chang, Michael F. Barile, and Ping-chuan Hu

Antimicrobial Susceptibility Studies

The Bactericidal Activity and Postantibiotic Effect of Trospectomycin **417**
Betty H. Yagi, Ronda D. Schaadt, and Gary E. Zurenko

Antimicrobial Susceptibility Testing

Ofloxacin, a New Broad-Spectrum Fluoroquinolone: Results from a Multicenter, National Comparative Activity Surveillance Study **425**
Ronald N. Jones, L. Barth Reller, Louis A. Rosati, Meridith E. Erwin, Martha L. Sanchez, and the Ofloxacin Surveillance Group

Clinical Studies

Oral Ofloxacin for Infections Caused by Bacteria Resistant to Oral Antimicrobial Agents **435**
Lawrence J. Eron and Layne O. Gentry

Cefperazone versus Ceftriaxone Monotherapy of Nosocomial Pneumonia **441**
Richard J. Mangi, Kathleen M. Peccerillo, John Ryan, Charles Berenson, Thomas Greco, George Thornton, and Vincent T. Andriole

Case Report

Community-Acquired Bacteremia Caused by *Serratia plymuthica:* Case Report and Review of the Literature **449**
Jordi Reina, Nuria Borrell, and Isabel Llompart

Notes

Antibiotic Susceptibilities of the Vibrionaceae to Merepenem and Other Antimicrobial Agents **453**
Richard B. Clark

E-Test Symposium

Foreword **457**
Clyde Thornsberry

The E-Test Applied to Susceptibility Tests of Gonococci, Multiply-Resistant Enterococci, and Enterobacteriaceae Producing Potent β-Lactamases **459**
Martha L. Sanchez, Mary S. Barrett, and Ronald N. Jones

The E-Test Challenged with Selected Strains **465**
Derek F.J. Brown

The E-Test and *Campylobacter jejuni* **469**
Carolyn N. Baker

Evaluation of the E-Test for Susceptibility Testing of Pneumococci **473**
Michael R. Jacobs, Saralee Bajaksouzian, Peter C. Appelbaum, and Anne Bolmström

E-Test as a Routine MIC Tool for Reference Work **479**
Barbro Olsson-Liljequist

The E-Test as an Epidemiologic Tool **483**
Fernando Baquero, Rafael Cantón, Jesús Martinez-Beltrán, and Anne Bolmström

Summation **489**
Derek F.J. Brown

NUMBER 6, AUGUST

Bacteriology

Evaluation of *C. diff.*-CUBE Test for Detection of *Clostridium difficile*-Associated Diarrhea **493**
Terrence A. Kurzynski, Judith L. Kimball, Duane A. Schultz, and Ronald F. Schell

Comparison of Standard and Quantitative Blood Cultures in the Evaluation of Children with Suspected Central Venous Line Sepsis **499**
David P. Ascher, B.A. Shoupe, Merlin Robb, David A. Maybee, and Gerald W. Fischer

Evaluation of Three Different STb Assays and Comparison of Enterotoxin Pattern Over a Five-Year Period in Swedish Porcine *Escherichia coli* **505**
Carina E. Handl, Eva Olsson, and Jan-Ingmar Flock

Rapid Identification of Motile *Aeromonas* **511**
Musau Wakabongo, Enoch Bortey, Frederick A. Meier, and Harry P. Dalton

Antimicrobial Susceptibility Studies

In vitro Activity of Various Antimicrobial Agents Against *Staphylococcus aureus* Isolates Including Fluoroquinolone- and Oxacillin-Resistant Strains **517**
Kenneth E. Aldridge, Ronald N. Jones, Arthur L. Barry, and Michael S. Gelfand

Case Reports

High Pentamidine Levels Associated with Hypoglycemia and Azotemia in a Patient with *Pneumocystis carinii* Pneumonia **523**
Ronald Comtois, Joël Pouliot, André Gervais, Bernard Vinet, and Claude Lemieux

Acquisition of Coccidioidomycosis at Necropsy by Inhalation of Coccidioidal Endospores **527**
Gerald J. Kohn, Stuart R. Linné, Christopher M. Smith, and Paul D. Hoeprich

Notes

In vitro Activity of CP-74667 Compared with Four Other Fluoroquinolones **531**
Ronald N. Jones and Meridith E. Erwin

Cefdinir (FK482), an Orally Administered Cephalosporin in vitro Activity Comparison Against Recent Clinical Isolates from Five Medical Centers and Determination of MIC Quality Control Guidelines **537**
E. Hugh Gerlach, Ronald N. Jones, Stephen D. Allen, Franklin P. Koontz, Patrick R. Murray, Michael A. Pfaller, John A. Washington, and Meridith E. Erwin

Persistence of the Same *Candida albicans* Strain Despite Fluconazole Therapy: Documentation by Pulsed-Field Gel Electrophoresis **545**
Henry M. Blumberg, Edward F. Hendershot, and Timothy J. Lott

The Activity of Metal Compounds Against Aerobic and Anaerobic Bacteria **549**
Nai-xun Chin and Harold C. Neu

Vertical Transmission of Human Immunodeficiency Virus Type 1: Prognostic Value of IgA Antibody to HIV-1 Polypeptides During Pregnancy **553**
Maria Carla Re, Giuliano Furlini, Monica Vignoli, Ennio Ricchi, Eric Ramazzotti, Sonia Bianchi, Brunella Guerra, Paolo Costigliola, and Michele La Place

In vitro Activity of *l*-Ofloxacin Against Norfloxacin-Resistant Coagulase-Negative Staphylococci **557**
Barbara Foleno and K.P. Fu

Copepods Associated with a Perirectal Abscess and Copepod Pseudo-Outbreaks in Stools for Ova and Parasite Examinations **561**
Kenneth G. Van Horn, Joseph S. Tatz, Karl I. Li, Leonard Newman, and Gary P. Wormser

Book Review

Antiviral Agents and Viral Diseases of Man (G.J. Galasso, R.J. Whitley, and T.C. Merigan, eds.) **567**

Reviewed by Albert Balows

NUMBER 7, SEPTEMBER/OCTOBER

Bacteriology

Evaluation of an Improved DNA Probe for Diagnosis of Pertussis **569**

Elisabet Reizenstein, Sven Löfdahl, Marta Granström, Gunnar Granström, and Abdul-Razzak Alsheikhly

Mycology

Catheter-Related Bacteremia and Fungemia: Reliability of Two Methods for Catheter Culture **575**

José Gutiérrez, Cristobal Leon, Rigoberto Matamoros, Carmen Nogales, and Estrella Martín

Virology

Evaluation of Two ELISA's for Detecting *Chlamydia trachomatis* from Endocervical Swabs **579**

Sousan Sayahtaheri Altaie, Frederick A. Meier, Robert M. Centor, Musau Wakabongo, Devrim Toksoz, Kevin M. Harvey, Ellen Basinger, Betty A. Johnson, Richard R. Brookman, and Harry P. Dalton

Parasitology

Performance Characteristics of a Commercial Antibody-Capture Enzyme Immunoassay for Detection of *Toxoplasma*-Specific IgM Antibodies **587**

David R. Gretch, John J. Warren, Rose Mary Bacina, Eric D. Stefansson, and Thomas R. Fritsche

Antimicrobial Susceptibility Studies

Lack of Predictability of Cefotetan in vitro Susceptibility Tests Against Cefotetan-Resistant Anaerobic Bacteria in Determining Clinical and Bacteriologic Efficacies **595**

Waheed Sheikh and David G. Bobey

The Rapid Emergence of Fluoroquinolone–Methicillin-Resistant *Staphylococcus aureus* Infections in a Community Hospital: An in vitro Look at Alternative Antimicrobial Agents **601**

Kenneth E. Aldridge, Michael S. Gelfand, Denise D. Schiro, and Neil L. Barg

Evaluation of the Teicoplanin Broth Microdilution and Disk Diffusion Susceptibility Tests and Recommended Interpretive Criteria **609**

Michael T. Kenny, Gerald D. Mayer, Jacqueline K. Dulworth, Marcia A. Brackman, and Kim Farrar

In vitro Activity of CP-74,667: A New Fluoroquinolone Compared with Other Quinolones **613**

Jian-Wei Gu, Wei Fang, Nai-Xun Chin, and Harold C. Neu

Antibacterial Oxazolidinones: In vitro Activity of a New Analogue, E3709 **621**

William Brumfitt and Jeremy M.T. Hamilton-Miller

Cefmetazole and Trospectomycin in vitro Susceptibility Testing Interpretive Criteria and Quality Control Guidelines for *Neisseria gonorrhoeae* **627**
Ronald N. Jones, Meridith E. Erwin, John A. Washington, Franklin P. Koontz, Patrick R. Murray, and E. Hugh Gerlach

In vitro Activity of Cefprozil (BMY 28100) and Cefepime (BMY 28142) Against *Streptococcus pneumoniae, Branhamella catarrhalis,* and *Haemophilus influenzae,* and Provisional Interpretive Criteria for Disk Diffusion and Dilution Susceptibility Tests with *Haemophilus influenzae* **633**
Gary V. Doern and Raymond Vautour

Note

In vitro Activity of Mersacidin (M87-1551), an Investigational Peptide Antibiotic Tested Against Gram-Positive Bloodstream Isolates **641**
Mary S. Barrett, Richard P. Wenzel, and Ronald N. Jones

NUMBER 8, NOVEMBER/DECEMBER

Bacteriology

Evaluation of the Gen-Probe PACE II Assay for the Direct Detection of *Neisseria gonorrhoeae* in Endocervical Specimens **645**
Kimberle Chapin-Robertson, E. Albert Reece, and Stephen C. Edberg

Diagnosis of Typhoid Fever by Two Serologic Methods: Enzyme-Linked Immunosorbent Assay of Antilipopolysaccharide of *Salmonella typhi* Antibodies and Widal Test **651**
Teresa Quiroga, Manuela Goycoolea, Rodrigo Tagle, Fernando Gonzalez, Luis Rodriguez, and Luis Villarroel

Mycobacteriology

Evaluation of Syngene DNA–DNA Probe Assays for the Identification of the *Mycobacterium tuberculosis* Complex and the *Mycobacterium avium* Complex **657**
Charles L. Woodley, Margaret M. Floyd, and Vella A. Silcox

Virology

Evaluation of Syva's Enzyme Immunoassay for the Detection of *Chlamydia trachomatis* in Urogenital Specimens **663**
Jeanne Moncada, Julius Schachter, Gail Bolan, Julia Nathan, Mary-Ann Shafer, Agnes Clark, Jane Schwebke, Walter Stamm, Tomasz Mroczkowski, Zenubia Seliborska, and David H. Martin

A Comparison of Commercially Available Monoclonal Antibodies for Direct and Indirect Immunofluorescence Culture Confirmation and Direct Detection of Parainfluenza Viruses **669**
James P. Brinker and Gary V. Doern

A Rapid Culture Alternative to the Shell-Vial Method for the Detection of Herpes Simplex Virus **673**
F. Brent Johnson and Elizabeth M. Visick

Laboratory Diagnosis of Latent Human Papillomavirus Infection **679**
Patricia McNicol, Fernando Guijon, Robert Brunham, Michael Gray, and Maria Paraskevas

Antimicrobial Susceptibility Studies

Susceptibility Testing Interpretive Criteria and Drug Stability for Cefdinir, Cefetamet, and Cefpodoxime Against *Neisseria gonorrhoeae* **685**

Mary S. Barrett and Ronald N. Jones

Haemophilus Test Medium Interpretive Criteria for Disk Diffusion Susceptibility Tests with Cefdinir, Cefetamet, Cefmetazole, Cefpodoxime, Cefdaloxime (RU29246, HR-916 Metabolite), and Trospectomycin **693**

Ronald N. Jones and Meridith E. Erwin

Case Report

Surgical Wound Infection by *Aspergillus fumigatus* in Liver Transplant Recipients **703**

Maria P. Plá, Juan Berenguer, Jose A. Arzuaga, Rafael Bañares, Jose R. Polo, and Emilio Bouza

Volume 15 Author Index **707**

Volume 15 Subject Index **710**

NUMBER 2 SUPPLEMENT, FEBRUARY

Foreword **1S**

Harold C. Neu and Ronald N. Jones

Emerging Trends in Gram-Negative Resistance: A New Concern for Critical Care Medicine

The Current and Future Impact of Antimicrobial Resistance Among Nosocomial Bacterial Pathogens **3S**

Ronald N. Jones

Focused Microbiologic Surveillance by Specific Hospital Unit as a Sensitive Means of Defining Antimicrobial Resistance Problems **11S**

Charles W. Stratton, Hilda Ratner, Philip E. Johnston, and William Schaffner

Comparison of the Susceptibility to β-Lactam Antimicrobial Agents Among Bacteria Isolated from Intensive Care Units **19S**

Carl L. Pierson and Bruce A. Friedman

Microbial Resistance Surveillance Techniques: Blood Culture versus Body Site Monitoring **31S**

Franklin P. Koontz

Trends in Antibiotic Utilization and Bacterial Resistance: Report of the National Nosocomial Resistance Surveillance Group **37S**

Charles H. Ballow and Jerome J. Schentag

A Review of Traditional Resistance Surveillance Methodologies and Infection Control **43S**

Franklin P. Koontz

United States Consensus Panel on Antimicrobial Resistance

Therapeutic and Epidemiologic Recommendations to Reduce the Spread of Type-I β-Lactamase Resistance **49S**

Harold C. Neu (Moderator), Richard J. Duma, Ronald N. Jones, John E. McGowan, Jr., Thomas F. O'Brien, L.D. Sabath, Christine C. Sanders, William Schaffner, Fred C. Tenover, and Lowell S. Young

Roundtable Commentary

Antibiotic Resistance: Epidemiology and Therapeutics **53S**

Harold C. Neu (Moderator), Richard J. Duma, Ronald N. Jones, John E. McGowan, Jr., Thomas F. O'Brien, L.D. Sabath, Christine C. Sanders, William Schaffner, Francis P. Tally, Fred C. Tenover, and Lowell S. Young

NUMBER 4 SUPPLEMENT, MAY/JUNE

Foreword **61S**

Jacques F. Acar

A Once-Daily Oral Antibiotic: The Way Ahead in Community-Acquired Infection (A Roxithromycin Symposium Presented at the 17th International Congress of Chemotherapy, Berlin, Germany, 23–27 June 1991)

In vitro Activity of Roxithromycin Against *Moraxella catarrhalis* **63S**

Robert C. Spencer and Philip F. Wheat

The Effect of Roxithromycin on the Virulence of Gram-Positive Cocci **67S**

Curtis G. Gemmell and Murdo McLeod

Macrolide Pharmacokinetics and Dose Scheduling of Roxithromycin **71S**

Odd G. Nilsen, Trond Aamo, Kolbjørn Zahlsen, and Per Svarva

Penetration of Roxithromycin into Gingival Tissue **77S**

François Jehl, René Kolbe, Andrès Scheimberg, Martine Rosembaum, and Henri Monteil

An International Clinical Trial on the Efficacy and Safety of Roxithromycin in 40,000 Patients with Acute Community-Acquired Respiratory Tract Infections **81S**

J.H. Marsac

Comparison of Two Oral Antibiotics, Roxithromycin and Amoxicillin Plus Clavulanic Acid, in Lower Respiratory Tract Infections **85S**

Bertrand Dautzenberg, Andrès Scheimberg, Christian Brambilla, Philippe Camus, Philippe Godard, Jean Claude Guerin, Etienne Lemarie, Yvonne Rezvani, Martine Rosembaum, Edmond Tuchais, and Benoît Wallaert

Roxithromycin versus Amoxillin–Clavulanic Acid in the Treatment of Respiratory Tract Infections **91S**

Daniel Lousbergh, Guido Jochems, Ludwig Everaert, and Marc Puttemans

A Randomized Double-Blind Controlled Trial of Roxithromycin and Cefaclor in the Treatment of Acute Lower Respiratory Tract Infections in General Practice **97S**

Murray W. Tilyard and Susan M. Dovey

Factors Affecting Nonadherence with Antibiotics **103S**

Robert Sanson-Fisher, Jennifer Bowman, and Susan Armstrong

Clinical Evaluation of Roxithromycin 300 mg Once Daily as an Alternative to 150 mg Twice Daily **111S**

Jean-Claude Pechère

Comparative Efficacy and Safety of Roxithromycin and Clarithromycin in Upper Respiratory Tract Infections **119S**

E. de Campora, A. Camaioni, M. Leonardi, P. Fardella, and M. Fiaoni

Roxithromycin versus Doxycycline in the Treatment of Acute Exacerbations of Chronic Bronchitis **123S**

Andre De Vlieger, Michel Druart, and Marc Puttemans

A Randomized, Comparative Study of the Efficacy and Tolerance of Roxithromycin and Doxycycline in the Treatment of Women with Positive Endocervical Cultures for *Chlamydia trachomatis* and *Mycoplasma* spp. in an in vitro Fertilization Program **129S**

Johan van Schouwenburg, Org de Bruyn, Etienne Fourie, Johan van Rensburg, Antonio Rodriques, and Ingrid Pickard

Multicenter Double-Blind Study of the Efficacy and Tolerance of Roxithromycin versus Erythromycin Ethylsuccinate in Acute Orodental Infection in Adults **133S**

Jean-Pierre Deffez, Andrès Scheimberg, Yvonne Rezvani, and the Odontogenic Infections Study Group

Additional copies of this supplement are available from Roussel UCLAF, Domaine Thérapeutique Antibiothérapie, 35 Boulevard des Invalides, 75007 Paris, France.